- ABRFC -- Arkansas-Red Basin River Forecast Center in Tulsa, OK
- ➤ ALERT NWS's Automated Local Evaluation in Real Time gauge network
- Apex Apex Digital Systems, Inc. (recently acquired by TerpSys) in Silver Spring,
 MD
- APRFC Alaska-Pacific River Forecast Center in Anchorage, AK
- ➤ AWIPS Advanced Weather Interactive Processing System
- ➤ AWIPS I AWIPS, first generation software, 1996 through 2009
- ➤ AWIPS II AWIPS, second generation software, 2010 and beyond
- AWIPS II Extended The phase of the AWIPS-II generation software beyond simple migration from AWIPS I. This includes topics such as CHPS integration, NAWIPS integration, Weather Event Simulator integration, and Thin Client development.
- ➤ BOC Baseline Operational Capability; the first operational manifestation of CHPS at the 4 CAT RFCs
- ▶ BTG NWS's Back-up Telecommunications Gateway at Mt. Weather, VA
- ➤ CAP Common Alert Protocol starting to be used within NWS watch and warning public products
- CAT CHPS Acceleration Team. Membership includes: HIC ABRFC (Billy Olsen), HIC CNRFC (Rob Hartman), DOH NERFC (Rob Shedd), DOO NOHRSC (John Halquist), HIC NWRFC (Harold Opitz), OHD Senior Scientist (Pedro Restrepo)
- > CBRFC Colorado Basin River Forecast Center in Salt Lake City, UT
- CHPS Community Hydrologic Prediction System. Built upon Delft-FEWS for its infrastructure, CHPS also includes NWS-specific software components and models that assist with the flood forecasting function at all 13 NWS RFCs. Ultimately CHPS will facilitate the exchange of products and services among a hydrologic community broader than the NWS.
- CNRFC California-Nevada River Forecast Center in Sacramento, CA
- CY Calendar Year
- ➤ DailyQC Data Quality Control functionality developed in the Western Region and implemented in the MPE application
- DCP Data Collection Platform

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- ► GOES DCS Data Collection System operated by NOAA's NESDIS
- ▶ Delft Abbreviated name for WL | Delft Hydraulics, in the Netherlands
- Delft-FEWS An open shell system created and maintained by WL | Delft Hydraulics, already in operational use by several countries in Europe. For information visit: http://www.wldelft.nl/soft/fews/int/index.html. The Delft-FEWS was selected as the CHPS software infrastructure in January 2008.
- ➤ Deltares A Dutch institute formed January 1, 2008 from WL | Delft Hydraulics and others. Visit: http://www.deltares.nl/xmlpages/page/deltares_en.
- ➤ DHM Distributed Hydrologic Model An NWSRFS operation which uses a gridded rainfall-runoff and routing component to calculate flows
- ➤ DHR Digital Hybrid Reflectivity radar product
- ➤ DOH Development and Operations Hydrologist position at a River Forecast Center
- > DOMSAT Domestic communications Satellite
- ▶ DPA Digital Precipitation Array precipitation radar product
- ➤ DRGS Direct Readout Ground Station
- ➤ DWOPER Dynamic Wave Operation a hydraulic routing program developed by OHD and available for use within NWSRFS
- ▶ D2D Display-2-Dimensions meteorological data viewer in AWIPS-I
- ► EDDN USGS's Emergency Data Distribution Network
- ► EPG Ensembles Product Generator
- ➤ EROS USGS's Earth Resources Observation & Science data center in Sioux Falls, SD
- **ESP** Ensemble Streamflow Prediction
- > ESPADP Ensemble Streamflow Prediction Analysis and Display Program
- FEWS Flood Early Warning System; preferred usage is "Delft-FEWS" (defined above)
- FFG Flash Flood Guidance
- FFMP Flash Flood Monitoring and Prediction

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- FLDWAV hydraulic routing model developed by OHD to supersede DWOPER; also available for use within NWSRFS
- FORTRAN FORmula TRANslation; computer language
- FSS Forecasting Shell Server (an architectural component of Delft-FEWS)
- > FY Fiscal Year
- ➤ GFE Graphical Forecast Editor
- ➤ GOES Geostationary Operational Environmental Satellite
- ➤ GRIB Gridded Binary data format
- ► HADS -- Hydrometeorological Automated Data System
- ► HAS Hydrologic Analysis and Support position at a River Forecast Center
- ► HEC The USACE's Hydrologic Engineering Center in Davis, CA
- ► HEC-RAS USACE HEC's River Analysis System
- ► HEPEX Hydrologic Ensemble Prediction eXperiment
- ► HIC Hydrologist-In-Charge position at a River Forecast Center
- ► HL-RDHM Hydrology Laboratory Research Distributed Hydrologic Model
- ► HPE High-resolution Precipitation Estimator
- ► HPN High-resolution Precipitation Nowcaster
- ► HSD Hydrologic Services Division within NWS's OCWWS
- ➤ HSEB Hydrologic Software Engineering Branch within OHD's Hydrology Laboratory
- ► HSMB Hydrologic Science and Modeling Branch within OHD's Hydrology Laboratory
- HydroBase Hydrologic Database Manager
- ➤ HydroView Hydrologic Data Viewer
- ► HydroXC Hydrology XML Consortium sponsored by OHD
- ➤ ICP Interactive Calibration Program

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- ➤ IFP Interactive Forecast Program
- > IHFS Integrated Hydrologic Forecast System
- ➤ IWRSS Integrated Water Resources Science and Services
- ► LDM Local Data Manager application from Unidata
- ► LMRFC Lower Mississippi River Forecast Center in Slidell, LA
- LOOKUP3 The NWSRFS three variable lookup operation which linearly interpolates for a dependent result given two dependent arguments and a defined family of curves depicting the relationship between the dependent and independent variables.
- MARFC Middle Atlantic River Forecast Center in State College, PA
- ➤ MAXSTAGE A method within the NWSRFS RES-J operation which computes a reservoir release based on the maximum permissible discharge at a given downstream control point.
- MBRFC Missouri Basin River Forecast Center in Pleasant Hill, MO
- ➤ MC Master Controller (an architectural component of Delft-FEWS)
- ► MDL Meteorological Development Laboratory within NWS's OS&T
- MOD Real-Time modifications to data, parameter, or state values within the NWSRFS which allow the forecaster to adjust the behavior of the models and operations during the forecasting process.
- ➤ MPE Multi-sensor Precipitation Estimator suite of applications for managing model forcing data such as precipitation and temperature
- > NCRFC North Central River Forecast Center in Chanhassen, MN
- ➤ NERFC Northeast River Forecast Center in Taunton, MA
- ➤ NESDIS NOAA's National Environmental Satellite, Data, and Information Service
- NEXRAD Next-Generation Radar; the NWS network of WSR-88D radars
- NOAA National Oceanic and Atmospheric Administration within the U.S. Department of Commerce
- NOHRSC National Operational Hydrologic Remote Sensing Center in Chanhassen, MN

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- NSOF NOAA Satellite Operations Facility in Suitland, MD
- NSSL NOAA's National Severe Storms Laboratory in Norman, OK
- NWRFC Northwest River Forecast Center in Portland, OR
- NWS NOAA's National Weather Service
- NWSEO NWS Employees Organization (sometimes referred to as "the Union")
- NWSRFS National Weather Service River Forecast System
- ➤ OBn.m AWIPS Operational Build release number
- ➤ ObsFcstMonitor Observed-Forecast Data Monitor application
- OCWWS NWS's Office of Climate, Water and Weather Services in Silver Spring, MD
- ➤ Ofsde A program which reads data from the IHFS_DB and creates a file used to transfer data to the NWSRFS data storage system
- ➤ OHD NWS's Office of Hydrologic Development in Silver Spring, MD
- ➤ OHP 16-level One Hour Precipitation radar product
- > OHRFC Ohio River Forecast Center in Wilmington, OH
- ➤ OSIP NWS's Operations and Services Improvement Process
- ➤ OS&T NWS's Office of Science and Technology in Silver Spring, MD
- ➤ PAL Project Area Leader position within OHD's HSEB
- PostgreSQL open source relational database management system
- ▶ PPS The Precipitation Preprocessing Subsystem software, developed and maintained by OHD, for the NEXRAD RPG and TDWR SPG.
- PrecipMonitor (PrecipMon) Precipitation Data Monitor application
- Python A programming language
- ➤ QPE Quantitative Precipitation Estimate
- QPF Quantitative Precipitation Forecast
- ➤ Q2 -- NSSL's Next Generation QPE

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- ➤ RAX RFC Archiver
- RAXBase RFC Archiver Database Manager application
- Res-J Joint Reservoir Regulation Operation The NWSRFS operation which models the operation of a system of reservoirs.
- ➤ ResSim USACE HEC's Reservoir Simulation model
- ➤ RFC A NWS River Forecast Center
- RiverMonitor (RiverMon) River Data Monitor application, associated with PrecipMon
- ➤ RiverPro River Product Formatter application
- ➤ ROC NEXRAD Radar Operations Center in Norman, OK
- ➤ ROC checker Rate-of-Change checking application
- ➤ RPG NEXRAD Radar Product Generator
- ➤ RTi Riverside Technology, Inc. in Fort Collins, CO
- SAC-SMA Sacramento Soil Moisture Accounting A hydrologic model implemented as an operation within the NWSRFS which parameterizes soil moisture characteristics.
- ➤ SEC The Systems Engineering Center within NWS's OS&T
- ➤ SCAN System for Convective Analysis and Nowcasting
- > SERFC Southeast River Forecast Center in Peachtree City, GA
- ➤ SNOW-17 A snow accumulation and ablation model implemented within NWSRFS.
- ➤ SOA Service Oriented Architecture
- > SPG Supplemental Product Generator for TDWR products to AWIPS
- > SSHP Site-Specific Hydrologic Predictor
- ➤ STP –16-level Storm Total Precipitation radar product
- > SwEG AWIPS Software Engineering Group integrated work team
- Swig -- An interface compiler that connects programs written in C and C++ with scripting languages such as Perl, Python, and Tcl

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- TDWR FAA's Terminal Doppler Weather Radar system at U.S. airports
- ➤ TerpSys An Information Technology consulting company in Rockville, MD that recently acquired Apex Digital Systems, Inc.
- ➤ THP –16-level Three Hour Precipitation radar product
- ➤ TIM Technical Interchange Meeting
- ➤ TO n Task Order number n
- ➤ Unidata an organization within the University Corporation for Atmospheric Research (UCAR); developer of the network Common Data Form (netCDF)
- ➤ USACE U.S. Army Corps of Engineers
- ➤ USGS U.S. Geological Survey
- ➤ VAR Variational Data Assimilation function
- ➤ VTEC Valid Time Event Coding for NWS public products such as watches and warnings
- ➤ WFO A NWS Weather Forecast Office
- ➤ WGRFC West Gulf River Forecast Center in Fort Worth, TX
- ➤ WHFS WFO Hydrologic Forecast System
- ➤ WMO World Meteorological Organization
- ➤ XEFS eXperimental Ensemble Forecast System
- ➤ XML eXtensible Mark-up Language

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